## IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Original): A streak apparatus comprising:

a vacuum container having an electron beam source provided on one end side to emit an

electron beam and an output section provided on the other end side to convert the electron beam

emitted from the electron beam source into an image;

an accelerating section provided in the vacuum container to accelerate the electron beam

emitted from the electron beam source;

an irradiation optical system for collecting and applying to-be-measured light to the

electron beam accelerated by the accelerating section; and

a sweep section provided between the accelerating section and the output section in the

vacuum container to sweep the electron beam having interacted with the to-be-measured light in

a direction approximately perpendicular to the direction of a displacement of the electron beam

generated through the interaction.

Claim 2 (Original): The streak apparatus according to claim 1, wherein the accelerating

section is adapted to accelerate the electron beam using a laser beam or an electromagnetic field

generated in an RF cavity.

Claim 3 (Original): The streak apparatus according to claim 1, further comprising an

electron lens system arranged in the stage following the accelerating section in the vacuum

container to focus the electron beam from the accelerating section on the output section.

DC\599842\1

Claim 4 (Original): The streak apparatus according to claim 3, wherein the electron lens

system has a magnifying electron lens arranged in the stage following the region for the

interaction between the to-be-measured light and the electron beam to magnify the displacement

of the electron beam generated through the interaction with the to-be-measured light to form an

image on the output section.

Claim 5 (Original): The streak apparatus according to claim 4, wherein the magnifying

electron lens is arranged between the region for the interaction between the to-be-measured light

and the electron beam and the sweep section.

Claim 6 (Original): The streak apparatus according to claim 1, further comprising an

energy filter arranged between the accelerating section and the output section in the vacuum

container to pass an electron beam having a predetermined energy therethrough.

Claim 7 (Original): The streak apparatus according to claim 1, wherein the electron

beam source is a photoelectric surface for converting received light into photoelectrons.

Claim 8 (Original): The streak apparatus according to claim 1, wherein the sweep

section is adapted to sweep the electron beam using an electric field due to a deflection voltage

applied between a pair of deflection electrodes that face each other across the tube axis of the

vacuum container, a laser beam, or an electromagnetic field generated in an RF cavity.

DC\599842\1

Claim 9 (New): The streak apparatus according to claim 3, wherein the electron lens

system includes a focusing electron lens system arranged between the accelerating section and

the region for the interaction between the to-be-measured light and the electron beam to focus

the electron beam from the accelerating section in the region for the interaction.

Claim 10 (New): The streak apparatus according to claim 9, wherein, in the region for

the interaction, the focusing point of the electron beam by the electron lens system coincides

approximately with the collection point of the to-be-measured light by the irradiation optical

system.